

ABSTRACT

The present invention relates to a spectrometer whereby the accuracy of wavelength measurement can be improved without being affected by the environment of use.

The present invention is characterized by improvements made to a spectrometer for spectrally dividing the light under measurement by transmitting the components thereof at different, wavelength-by-wavelength angles, and receiving and detecting the light under measurement thus spectrally divided by the chromatic dispersion device using an optical detector.

The apparatus according to the present invention comprises a refractive index compensation means for compensating changes in the angle at which the chromatic dispersion device transmits the light under measurement, according to changes in the refractive index of

the medium in which the chromatic dispersion device is placed.